

FOOD ENGINEERING DEPARTMENT -TOTAL COURSE-PROGRAMME OUTCOMES RELATIONSHIP

					Programme Outcomes												
Course Code	Course Name	T	P	ECTS	1	2	3	4	5	6	7	8	9	10	11	12	13
1st Year - 1st Semester																	
GDM1001	MATHEMATICS I	4	2	6	5	3	1	1	1	2	5	2	2	0	0	0	0
GDM1003	PHYSICS I	3	1	5	5	3	2	2	4	3	5	2	2	0	0	0	2
GDM1005	GENERAL CHEMISTRY	2	1	3	5	4	3	3	4	4	5	2	4	0	0	0	3
GDM1007	LINEAR ALGEBRA	3	0	3	5	3	1	1	1	2	5	2	2	0	0	0	0
GDM1009	INTRODUCTION TO FOOD ENGINEERING	2	0	2	5	2	3	3	2	3	2	0	3	4	3	3	4
GDM1011	OCCUPATIONAL HEALTH AND SAFETY I	2	0	2	0	5	5	5	5	3	5	5	5	5	0	5	5
ATA1015	PRINCIPLES OF ATATURK AND HISTORY OF TURKISH REVOLUTION I	2	0	2	0	0	0	0	0	1	5	4	3	0	0	0	1
ENF1021	BASIC COMPUTER	2	2	3	1	2	1	5	3	3	5	5	5	0	1	0	5
TDL1011	TURKISH LANGUAGE I	2	0	2	0	0	0	0	0	1	5	5	3	0	0	0	1
YDL1013	FOREIGN LANGUAGE I	3	0	2	0	0	0	0	0	2	5	5	4	0	0	0	2

1st Year - 2nd Semester																	
GDM1002	MATHEMATICS II	4	2	6	5	3	1	1	1	2	5	2	2	0	0	0	0
GDM1004	PHYSICS II	2	1	4	5	3	2	2	4	3	5	2	2	0	0	0	2
GDM1006	COMPUTER AIDED ENGINEERING DRAWING	2	1	5	3	3	1	5	3	3	5	5	5	1	1	0	2

GDM1008	COMPUTER PROGRAMMING	2	0	2	4	4	1	5	3	4	5	5	5	0	1	0	2	
GDM1010	ORGANIC CHEMISTRY	3	0	3	5	4	3	3	4	4	5	2	4	0	0	0	3	
GDM1012	BIOLOGY	2	0	2	5	3	2	2	2	4	5	3	4	0	0	0	3	
GDM1014	OCCUPATIONAL HEALTH AND SAFETY II	2	0	2	0	5	5	5	5	3	5	5	5	5	0	5	5	
ATA1016	PRINCIPLES OF ATATURK AND HISTORY OF TURKISH REVOLUTION II	2	0	2	0	0	0	0	0	1	5	4	3	0	0	0	1	
TDL1012	TURKISH LANGUAGE II	2	0	2	0	0	0	0	0	1	5	5	3	0	0	0	1	
YDL1014	FOREIGN LANGUAGE II	3	0	2	0	0	0	0	0	2	5	5	4	0	0	0	2	
2nd Year - 3rd Semester																		
GDM2001	ENGINEERING MATHEMATICS	2	0	4	5	3	3	4	3	4	4	4	4	3	3	3	2	
GDM2003	FLUID MECHANICS	3	0	4	5	3	3	4	3	4	4	4	4	3	4	3	3	
GDM2005	ANALYTICAL CHEMISTRY	2	2	5	5	4	4	4	3	4	4	4	4	3	4	4	3	
GDM2007	MATERIAL AND ENERGY BALANCES	3	0	4	5	4	3	4	3	4	4	4	4	3	4	3	3	
GDM2009	GENERAL MICROBIOLOGY	2	2	5	5	5	4	4	4	4	4	4	4	5	4	4	5	
GDM2015	SUMMER PRACTICE	0	0	3	5	5	4	4	4	4	5	5	5	5	5	4	5	
2nd Year - 4th Semester																		
GDM2002	INSTRUMENTAL FOOD ANALYSES	2	2	5	5	4	4	4	4	4	4	4	4	3	4	4	4	
GDM2004	FOOD CHEMISTRY	4	0	5	5	4	4	3	4	3	3	3	4	3	3	3	2	
GDM2006	THERMODYNAMICS	3	0	4	5	3	3	4	3	4	4	4	4	3	3	2	3	
GDM2008	PROBABILITY AND STATISTICS	3	0	4	5	4	3	3	3	4	4	4	4	3	3	2	3	
GMD2016	SUMMER PRACTICE	0	0	3	5	5	4	4	4	4	5	5	5	5	4	4	5	
3rd Year - 5th Semester																		
GDM3001	FOOD MICROBIOLOGY-I	2	2	5	5	5	4	4	4	4	5	5	4	5	4	4	5	

GDM3003	REACTION KINETICS	2	0	2	5	3	3	4	3	4	4	4	4	3	3	2	3
GDM3005	HEAT TRANSFER AND THERMAL PROCESSES	4	0	4	5	3	3	4	3	4	4	4	4	3	3	2	3
GDM3019	SUMMER PRACTICE	0	0	2	5	5	4	4	4	4	5	5	5	5	5	4	5

3rd Year - 6th Semester																	
GDM3002	MASS TRANSFER AND UNIT OPERATIONS	4	0	5	5	5	5	3	5	3	1	0	0	2	1	1	1
GDM3004	FOOD MICROBIOLOGY II	2	2	5	3	5	5	0	0	0	2	1	0	0	1	1	1
GDM3006	PROCESS DESIGN	2	0	3	5	5	5	5	5	5	4	4	3	3	4	4	3
GDM3008	FOOD SAFETY AND SANITATION	3	0	4	1	2	5	4	4	3	1	1	0	0	1	1	1
GDM3018	SUMMER PRACTICE	0	0	3	5	5	4	4	4	4	5	5	5	5	5	4	5
4th Year - 7th Semester																	
GDM4000	GRADUATION THESIS	0	2	5	5	5	5	5	5	5	5	5	5	5	5	5	5
GDM4003	CEREAL PROCESSING TECHNOLOGY	2	2	5	4	5	4	4	4	3	1	1	0	1	1	2	1
GDM4005	FRUIT AND VEGETABLE TECHNOLOGY	2	2	5	5	5	5	4	5	3	1	1	0	1	1	2	1
GDM4007	DAIRY PROCESSING TECHNOLOGY	2	2	6	4	5	4	3	4	3	3	3	3	3	2	2	2
4th Year - 8th Semester																	
GDM4000	GRADUATION THESIS	0	2	5	1	5	5	5	5	5	5	5	5	5	5	5	5
GDM4002	FATS AND OILS TECHNOLOGY	2	2	5	2	5	4	4	3	2	0	0	3	4	0	3	4
GDM4004	MEAT PRODUCTS PROCESSING TECHNOLOGY	2	2	5	4	5	5	5	5	3	0	3	4	3	2	3	3
GDM4006	FERMENTATION TECHNOLOGY	2	2	5	4	5	5	5	5	3	0	3	4	3	2	3	3

2nd Year - 3rd Semester Technical Elective Courses																		
GDM2011	PHYSICAL CHEMISTRY	2	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0
GDM2013	MATERIAL SCIENCE	2	0	5	4	4	0	4	0	0	0	0	0	0	0	0	0	0
2nd Year - 4th Semester Technical Elective Courses																		
GDM2010	NUTRITION	2	0	5	3	4	4	0	0	4	0	0	0	4	3	3	2	
GDM2012	FOOD AND HEALTH	2	0	5	3	4	4	0	0	4	0	0	0	4	3	3	2	
2nd Year - 4th Semester Social Elective Courses																		
GDM2014	FIRST AID	2	0	4	0	0	0	0	0	0	0	1	1	0	0	0	0	
GDM2018	FOLK DANCE	2	0	4	0	0	0	0	0	0	5	0	0	0	0	0	0	
GDM2020	LIFE LONG SPORTS	2	0	4	0	0	0	0	0	0	5	0	0	0	0	0	0	
GDM2024	NATURAL DISASTERS AND DISASTER MANAGEMENT	2	0	4	0	0	0	0	0	0	2	0	0	0	0	0	0	
GDM2030	PHOTOGRAPHY	2	0	4	0	0	0	0	0	0	1	1	0	0	0	0	0	
GDM2038	ART HISTORY	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	
GDM2040	TRADITIONAL TURKISH HANDICRAFTS	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	
GDM2048	INTRODUCTION TO SOCIOLOGY	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	
GDM2054	HISTORY OF SCIENCE AND PHILOSOPHY	2	0	4	0	0	0	0	0	2	0	0	1	0	0	0	0	
GDM2058	URBANIZATION PROBLEMS	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	2
GDM2082	RUSSIAN	2	0	4	0	0	0	0	0	0	0	1	0	0	0	0	0	
GDM2084	KAZAKH	2	0	4	0	0	0	0	0	0	0	1	0	0	0	0	0	
GDM2064	DEMOCRACY AND HUMAN RIGHTS	2	0	4	0	0	0	0	0	0	0	0	0	1	0	0	0	

GDM2070	COMMUNICATION	2	0	4	0	0	2	0	0	0	3	5	0	0	0	0	0
GDM2072	GERMAN	2	0	4	0	0	0	0	0	0	0	1	0	0	0	0	0
GDM2080	CHINESE	2	0	4	0	0	0	0	0	0	1	0	0	0	0	0	0
GDM2076	ACADEMIC WRITING	2	0	4	0	0	3	1	1	0	5	0	0	0	0	0	0
GDM2078	ACADEMIC WRITING	2	0	4	0	0	3	1	1	0	5	0	0	0	0	0	0
GDM2088	ENTREPRENEURSHIP	2	0	4	3	0	4	5	4	5	3	4	4	3	5	4	5

	3rd Year - 5th Semester Technical Elective Courses I and II																	
GDM3007	SENSORY EVALUATION	3	0	6	4	4	4	3	5	3	3	2	2	2	2	2	2	
GDM3009	FOOD PACKAGING	3	0	6	4	5	5	5	5	5	0	1	0	2	0	5	5	
GDM3011	PHYSICAL PROPERTIES OF FOODS	3	0	6	4	0	0	0	5	0	0	0	0	3	0	0	0	
GDM3013	FOOD BIOTECHNOLOGY	3	0	6	4	5	5	5	5	5	0	1	0	2	1	5	5	
	3rd Year - 5th Semester Technical Elective Courses III																	
GDM3015	FOOD ADDITIVES	2	0	5	4	4	4	3	1	3	4	3	4	4	3	5	4	
GDM3017	FOOD TOXICOLOGY	2	0	5	4	5	5	5	5	5	5	5	5	5	5	5	5	
	3rd Year - 6th Semester Technical Elective Courses I and II																	
GDM3010	ENZYMOLGY	2	0	5	5	4	5	3	4	3	2	2	2	2	3	2	3	
GDM3012	FOOD MACHINERY AND EQUIPMENT	2	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
GDM3014	FOOD LEGISLATION	2	0	5	2	0	2	4	0	0	3	3	3	4	1	5	3	
GDM3016	FOOD QUALITY CONTROL	2	0	5	4	3	0	0	0	0	2	0	0	0	4	5	4	
	4th Year - 7th Semester Technical Elective Courses																	

GDM4009	PROCESS CONTROL	2	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5
GDM4011	READY-MADE MEAL TECHNOLOGY	2	0	5	4	4	2	2	0	3	3	3	3	5	1	4	3
GDM4013	PRODUCT DEVELOPMENT	2	0	5	0	0	0	0	0	4	0	0	0	0	5	0	0

	4th Year - 7th Semester General Elective Courses																	
GDM4017	ENGINEERING ETHICS	2	0	4	5	0	4	5	5	5	5	5	5	5	5	3	5	5
GDM4019	HUMAN RESOURCE MANAGEMENT	2	0	4	0	0	0	0	0	0	5	5	5	0	0	0	0	
GDM4023	ENGINEERING APPLICATIONS	2	0	4	4	3	3	3	3	3	3	3	3	3	3	3	5	
	4th Year - 8th Semester Technical Elective Courses I and II																	
GDM4008	SPECIAL FOODS	2	0	5	5	4	3	2	0	0	0	0	2	1	2	0	1	
GDM4010	WASTE OF FOOD INDUSTRY AND UTILIZATION	2	0	5	3	5	4	0	3	5	4	3	0	4	0	4	4	
GDM4012	INDUSTRIAL MICROBIOLOGY	2	0	5	4	5	4	5	3	5	0	0	3	3	3	0	0	
GDM4014	SEAFOOD PRODUCTS TECHNOLOGY	2	0	5	3	4	4	2	5	0	0	0	0	3	0	3	0	
GDM4016	FOOD BIOCHEMISTRY	2	0	5	5	4	4	2	3	3	3	3	2	2	2	2	2	

Level of Contribution: 0-None, 1-Lowest, 2-Low, 3-Average, 4-High, 5-Highest